

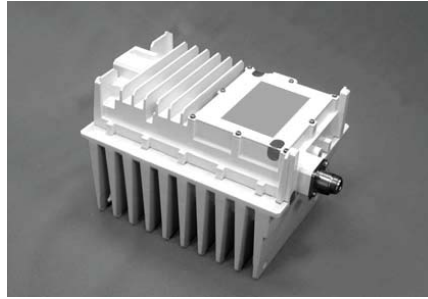
RADITEK

SATCOM

L-Ku Band BUC



Block Up Converter L to Ku Band(Std/Extd), N-Type Female Connector, 10MHz Ext Reference, 8 Watts, Non-Inverted



Order Examples: RBUC-L(950-1450M) to Ku(14.00-14.50)-Nf-WR75G-ER10M-8W-n5

Description: (Block Up Converter, L Band(950-1450MHz) to Ku(14.00-14.50GHz), N-Type Female Input Connector, WR75 Grooved Output Connector, 10MHz External Reference, 8 Watts

Additional Options: L(950-1700M) Kue(13.75-14.50)

Specifications			Units
Frequency	Ext Ku	Std Ku	
Output frequency	13.75 to 14.50	14.00 to 14.50	GHz
Input frequency	950 to 1700	950 to 1450	MHz
Output to P1dB	39	39	dBm
Output Power	8	8	Watts
L.O. frequency	12.80	13.05	GHz

Specifications		Units
Input VSWR	2.0:1	
Output VSWR	2.1:1	
Phase noise (SSB)	-70	dBc/Hz at 1kHz
	-80	dBc/Hz at 10kHz
	-90	dBc/Hz at 100kHz
External reference signal frequency	10	MHz
Power Requirements	BUC: 48	V
	BUC & AC PS: 110	
	BUC & AC PS: 220	
Power Consumption	BUC: 80	Watt
	BUC & AC PS: 94	
	BUC & AC PS: 91	
Input Connector	N-Type Female	
Output Waveguide	WR75 - grooved	
Dimensions BUC (L x W x H)	230 x 130 x 130/ (9.1 x 5.1 x 5.1)	mm/ (in)
Dimensions PS (L x W x H)	258 x 149 x 73/ (10.2 x 5.9 x 2.9)	mm /(in)
Weight BUC	4.0 / (8.8)lb	kg /(lb)
Weight PS	2.0 / (4.4) lb	kg /(lb)
External reference level	5 to +5	dBm
10 MHz external reference phase noise	-135	dBc/Hz at 100 Hz
	-140	dBc/Hz at 1 kHz
	-150	dBc/Hz at 10 Hz

RBUC-L-Ku-Nf-WR75G-ER10M-8W-n5

Specifications may be subject to change

03/28/13

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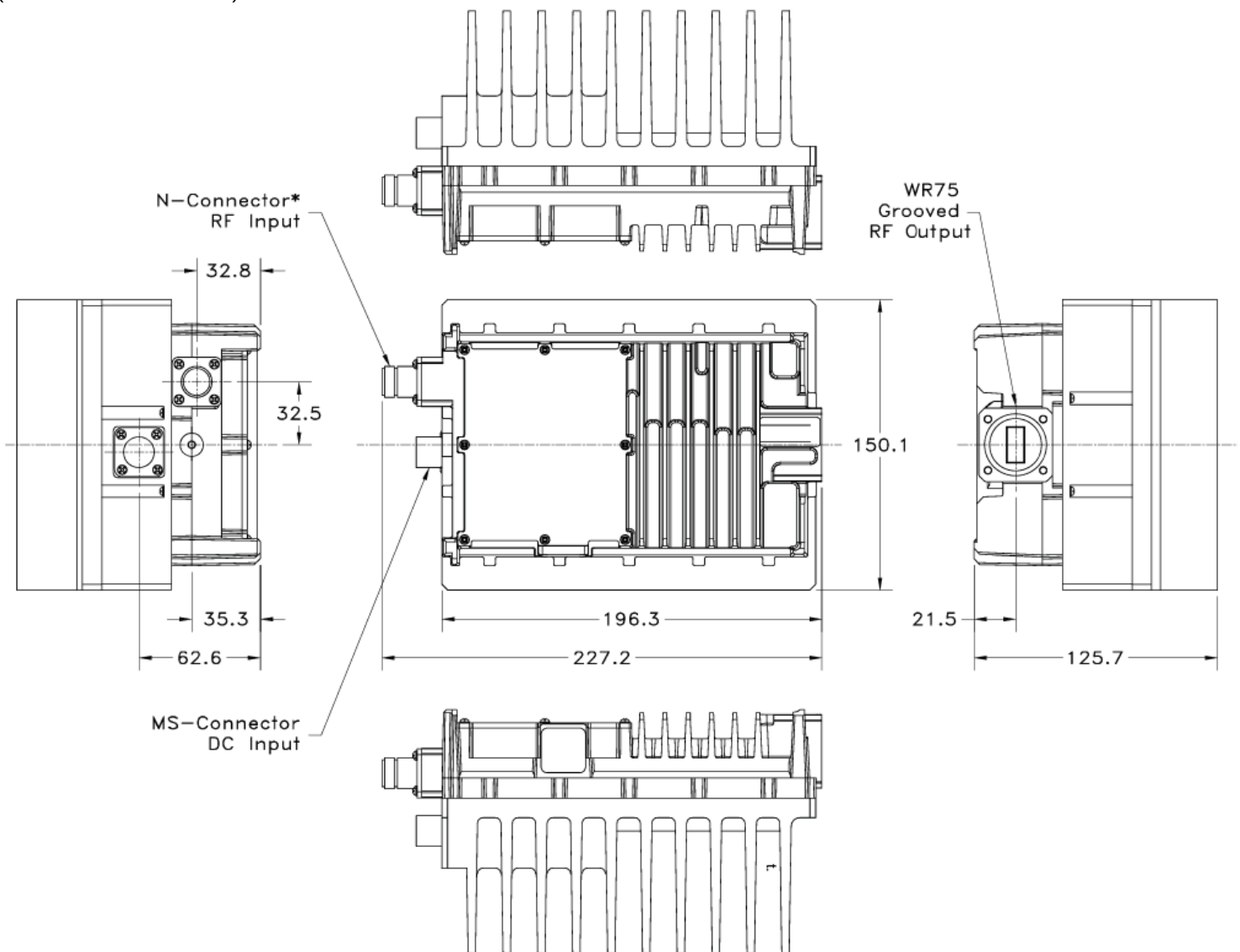
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Block Up Converter L to Ku-Band(Std/Extd), N or F-Type Female Connector, 10MHz Ext Reference, 8 Watts

Specifications		Units
Gain (including variation over temperature and frequency)	59 66	dB min dB max
Gain stability over temperature	± 2.25 at any constant frequency	dB
Gain stability in-band at any constant temperature	± 1.0 in any 54 MHz band ± 3.0 over full 750 MHz band	dB
Temperature Range	-40 to +55	°C

Fully contained including universal outdoor AC power supply, universal BUC support brackets, 3m cable and AC power supply cord connectors, (AC PS cable not included)



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